



THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application of: ULLRICH, A. et al.

Serial No.: 07/975,750

Group Art Unit: To Be Assigned

Filed: November 13, 1992

Examiner: To Be Assigned

For: FLK-1 IS A RECEPTOR FOR
VASCULAR ENDOTHELIAL
GROWTH FACTOR

Attorney Docket No.: 7683-009

**INFORMATION DISCLOSURE STATEMENT
UNDER 37 C.F.R. §1.97**

RECEIVED

JAN 15 1993

APPLICATION DIVISION-403

Honorable Commissioner of Patents and Trademarks
Washington, D.C. 20231

Sir:

In accordance with the duty of disclosure imposed by 37 C.F.R. §§1.56 and 1.97, Attorneys for Applicants hereby invite the Examiner's attention to the following references, which are arranged chronologically. A legible copy of each reference is being submitted herewith. Pursuant to 37 C.F.R. §1.97(b)(1), this Information Disclosure Statement is filed prior to the mailing date of the first Office Action on the merits, therefore no fee is required. However, if a fee is required, please charge the required fee to Pennie & Edmonds Deposit Account No. 16-1150.

LIST OF REFERENCES

1. Ferrara, N. and Henzel, W.J., 1989, Biochem. Biophys. Res. Comm. 161:851-858.

EXPRESS MAIL CERTIFICATION

"Express Mail" label No. **RB 832 250 738 US** Date of Deposit December 23, 1992.

I hereby certify that this paper or fee is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 C.F.R. 1.10 on the date indicated above and is addressed to the Commissioner of Patents and Trademarks, Washington, D.C. 20231.

FRANK DIANGELIS

(Type or print name of person mailing paper or fee)
Frank Diangelis
(Signature of person mailing paper or fee)

2. Risau, W. and Lemmon, V., 1988, Developmental Biology 125:441-450.
3. Gospodarowicz, D. et al., 1989, Proc. Natl. Acad. Sci. USA 86:7311-7315.
4. Conn, G. et al., 1990, Proc. Natl. Acad. Sci. USA 87:1323-1327.
5. Klagsburn, M. and D'Amore, P.A., 1991, Annu. Rev. Physiol. 53:217-39.
6. Kashles, O. et al., 1991, Mol. Cell Biol. 11:1454-1463.
7. Terman, B. I., et al., 1991, Oncogene 6:1677-1683.
8. Ferrara, N., et al., 1991, J. Cell Biochem. 47:211-218.
9. Matthews, W. et al., 1991, Proc. Natl. Acad. Sci. USA 88:9026-9030.
10. Maglione, D. et al., 1991, Proc. Natl. Acad. Sci. USA 88:9267-9271.
11. Breier, G. et al., 1992, Development 114:521-532.
12. De Vries, C. et al., 1992, Science 255:989-991.
13. Spivak-Kroizman, T. et al., 1992, J. Biol. Chem. 267:8056-8063.
14. Terman et al., 1992, Biochem Biophys. Res. Comm. 187:1579-1586.

REMARKS

Identification of the above-listed references is not to be construed an admission of Applicants or Attorneys for Applicants that such references are available as "prior art" against the subject application. Consequently, Applicants

respectfully decline to use form PTO-1449, since this form identifies all of the references therein as "Prior Art". As an alternative, Applicants submit herewith a "revised form PTO Form 1449" entitled "List of References Cited" instead of "List of Prior Art Cited".

Applicants respectfully request that the Examiner review the foregoing references and that the references be made of record in the file history of the application.

Respectfully submitted,

Date: December 23, 1992


Laura A. Coruzzi 30,742
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LIST OF REFERENCES CITED BY APPLICANT

(Use several sheets if necessary)



ATTY. DOCKET NO.

7683-009

SERIAL NO.

07/975,750

APPLICANT

Ullrich, A. et al.

FILING DATE

November 13, 1992

GROUP

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
AA						

FOREIGN PATENT DOCUMENTS

DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
					YES	NO
AB						

OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)

AC	Ferrara, N. and Henzel, W.J., 1989, "Pituitary Follicular Cells Secrete a Novel Heparin-Binding Growth Factor Specific for Vascular Endothelial Cells" Biochem.Biophys.Res.Comm. 161:851-858.
AD	Risau, W. and Lemmon, V., 1988, "Changes in the Vascular Extracellular Matrix During Embryonic Vasculogenesis and Angiogenesis" Development Biology 125:441-450.
AE	Gospodarowicz, D. et al., 1989, "Isolation and Characterization of a Vascular Endothelial Cell Mitogen Produced by Pituitary-Derived Folliculo Stellate Cells" Proc. Natl. Acad. Sci. USA 86:7311-7315.
AF	Conn, G. et al., 1990, "Purification of a Glycoprotein Vascular Endothelial Cell Mitogen From a Rat Glioma-derived Cell Line" Proc. Natl. Acad. Sci. USA 87:1323-1327.
AG	Klagsburn, M. and D'Amore, P.A., 1991, "Regulators of Angiogenesis" Annu.Rev.Physiol. 53:217-39.
AH	Kashles, O. et al., 1991, "A Dominant Negative Mutation Suppresses the Function of Normal Epidermal Growth Factor Receptors by Heterodimerization" Mol.Cell.Biol. 11:1454-1463.
AI	Terman, B.I., et al., 1991, Identification of a New Endothelial Cell Growth Factor Receptor Tyrosine Kinase" Oncogene 6:1677-1683.
AJ	Ferrara, N. et al., 1991, "The Vascular Endothelial Growth Factor Family of Polypeptides" J.Cell. Biochem. 47:211-218.
AK	Matthews, W. et al., 1991, "A Receptor Tyrosine Kinase cDNA Isolated From a Population of Enriched Primitive Hematopoietic Cells and Exhibiting Close Genetic Linkage to c-kit" Proc.Natl.Acad.Sci. USA 88:9026-9030.
AL	Maglione, D. et al., 1991, "Isolation of Human Placental cDNA Coding For a Protein Related to the Vascular Permeability Factor" Proc.Natl.Acad.Sci. USA 88:9267-9271.

	AM	Breier, G. et al., 1992, "Expression of Vascular Endothelial Growth Factor During Embryonic Angiogenesis and Endothelial Cell Differentition" Development 114:521-532. ✓
	AN	De Vries, C. et al., 1992, "The <i>fms</i> -Like Tyrosine Kinase, a Receptor for Vascular Endothelial Growth Factor" Science 255:989-991.
	AO	Spivak-Kroizman, T. et al., 1992, "Heterodimerization of c-erbB2 With Different Epidermal Growth Factor Receptor Mutants Elicit Stimulatory or Inhibitory Responses" J. Biol. Chem 267:8056-8063. ✓
	AP	Terman et al., 1992, "Identification of the KDR Tyrosine Kinase as a Receptor for Vascular Endothelial Cell Growth Factor" Biochem.Biophys.Res.Comm. 187:1579-1586.

EXAMINER	DATE CONSIDERED
*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	